

Title (en)  
Air purifier

Title (de)  
Luftreinigungsverfahren

Title (fr)  
Purificateur d'air

Publication  
**EP 1170048 A3 20021204 (EN)**

Application  
**EP 01115738 A 20010709**

Priority  
• US 61151300 A 20000707  
• US 70919000 A 20001109

Abstract (en)  
[origin: EP1170048A2] An air purifying device is provided for removing airborne particles. The device includes a housing including an air inlet and an air outlet. A fan is positioned within the housing for drawing air into the housing through the air inlet and expelling air through the air outlet. A filter assembly is positioned within the housing between the air inlet and the fan. The filter assembly includes a frame and a filter element mounted to the frame. The device has a removable coupler having first and second hangers. A first elongate hanger support is coupled to the housing and removably extends within the first hanger and a second elongate hanger support is coupled to the frame and removably extends within the second hanger. <IMAGE>

IPC 1-7  
**B01D 46/42**; **F24F 13/28**

IPC 8 full level  
**B01D 46/00** (2006.01); **B01D 46/42** (2006.01); **F24F 3/16** (2006.01); **F24F 8/108** (2021.01); **F24F 8/158** (2021.01); **F24F 13/28** (2006.01); **F24F 1/00** (2006.01)

CPC (source: EP US)  
**B01D 46/0005** (2013.01 - EP US); **F24F 1/0071** (2019.01 - EP US); **F24F 8/108** (2021.01 - EP US); **F24F 8/158** (2021.01 - EP US); **F24F 13/28** (2013.01 - EP US); **B01D 2279/50** (2013.01 - EP US)

Citation (search report)  
• [A] FR 1105703 A 19551207 - FR DE L ACETYLENE SOC  
• [A] US 5935282 A 19990810 - LIN CHUN-SUNG [TW]  
• [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 08 6 October 2000 (2000-10-06)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11 28 November 1997 (1997-11-28)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 09 30 September 1997 (1997-09-30)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 532 (M - 1051) 22 November 1990 (1990-11-22)

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EP1391230A1; EP2470284A4

Designated contracting state (EPC)  
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